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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/306,084	05/06/1999	PÈRETZ MOSHES FEDER	5-5-1 3001		
75	90 12/09/2003	EXAMINER			
HARNESS, DICKEY & PIERCE, P.L.C.			APPIAH, CHARLES NANA		
P. O. BOX 8910 RESTON, VA			ART UNIT	PAPER NUMBER	
			2686	10	
			DATE MAILED: 12/09/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	Applicant(s)				
Office Action Summary		09/306,08	34	FEDER ET AL.				
		Examiner		Art Unit				
		Charles A		2686				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the end patent term adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no ever ion. s, a reply within the state period will apply and with statute, cause the apply	ent, however, may a reply be timusers, may a reply be timusers, may a reply be timusers, and the second of the sec	ely filed s will be considered timely. the mailing date of this communication (35 U.S.C. § 133).	ion.			
	Responsive to communication(s) filed on	08 September 2	2003					
	☐ This action is FINAL . 2b)☑ This action is non-final.							
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
5)□ 6)⊠ 7)⊠	 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-5 and 8-10 is/are rejected. 7) Claim(s) 6 and 7 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 							
		and/or election re	equirement.					
_	on Papers							
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. §§ 119 and 120								
* 5 13)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International Bee the attached detailed Office action for acknowledgment is made of a claim for do ince a specific reference was included in the CFR 1.78. 1. The translation of the foreign language acknowledgment is made of a claim for document and the complete the comple	ments have bee ments have bee e priority docume sureau (PCT Rule a list of the certif mestic priority ur he first sentence ge provisional ap mestic priority ur	n received. n received in Application received in Application to the specification or the specification or plication has been received and successful to the specification or specification or the specification for the specification or specification has been received and successful to the specification for the specification for specification has been received and successful to the specification for the specification for specification for specification for the	on No d in this National Stage d. f) (to a provisional application Data State) in an Application Data State) eived. and/or 121 since a specif	neet. fic			
Attachmen								
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449) Paper N			PTO-413) Paper No(s) atent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

- 1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 2. Claims 1, 2, 5, 8, 9 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Flammer (5,465,398).

Regarding claim 1, Flammer discloses a method of transmitting over a wireless link, the method comprising: adjusting a transmit power of a wireless transmitter in relation to an expected number of ACKs (minimum signal strength) and one of ACKs lost and number of ACKs received for radio transmissions over the wireless link, the number of expected ACKs is N (see Figs. 1-4, col. 3, line 12 to col. 4, line 53).

Regarding claim 2, Flammer teaches monitoring a number of ACS lost for radio packets by increasing and decreasing the transmit power level based on the smoothed difference being greater or less than the link margin respectively (see Figs. 1-3).

Regarding claim 5, Flammer further teaches providing a wireless unit transmitting acknowledgments of radio packets transmitted by the wireless transmitter over the wireless link to the wireless unit (see col. 3, lines 35-58).

Regarding claim 8, Flammer discloses a method of transmitting over a wireless link (see Fig. 1), the method comprising: adjusting a transmit power of a wireless transmitter based on a predetermined threshold (minimum signal strength), the predetermined threshold being in relation to a number of ACKs lost/expected number of

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ACKS for radio transmissions over the wireless link (feature of updating recorded minimum and calculating difference value based on each successfully received packet, col. 4, lines 16-66).

Regarding claims 9 and 10 Flammer discloses a method of transmitting over a wireless link, the method comprising: adjusting a transmit power of a wireless transmitter based on a number of ACKs expected for radio transmission over the wireless link, the ACKs expected based on at least one of frames and packets sent (see col. 4, lines 44-53) wherein the ACKs expected are based on at least one of voice of data (see col. 2, lines 31-48).

3. Claims 1, 8 and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Love et al. (6,058,107).

Regarding claim 1, 8 and 9, Love teaches a method of transmitting over a wireless link, comprising: adjusting a transmit power of a wireless transmitter in relation (BTS) in relation to an expected number of ACKs and one of a number of ACKs lost and a number of ACKs received for radio transmissions over the wireless link (performing normal forward power control when first counter + second counter > first threshold, steps 227-235). See Fig. 1—3.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Flammer (5,465,398).

Regarding claims 3 and 4 Flammer shows the transmitting of packets between a source node and a target node as illustrated in Fig. 1, with the provision of acknowledgments between the source node and the target node (see Fig. 5) but fails to explicitly teach determining an initial transmit power for the wireless transmitter based on a measurement on a signal received over the wireless link and providing a base station transmitting acknowledgments of radio packets transmitted by the wireless transmitter over the wireless link.

However, the concept of determining an initial transmit power based on a measured received signal in wireless communication systems having base stations is very well known in the art and as such examiner takes Official notice that it would have been obvious to one of ordinary skill in the art to provide the initial transmit power determination based on a signal received over a wireless link in a communication system having a base station for acknowledging reception of signals or data or packets transmitted by a transmitter for the benefit of carrying out desired wireless communications.

Allowable Subject Matter

6. Claims 6 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Varma et al. (6,643,322) discloses a dynamic link adaptation method for wireless communication.

Response to Arguments

8. Applicant's arguments with respect to claims 1-5 and 8-10 have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Appiah whose telephone number is 703 305-4772. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 703 305-4379. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 306-0377.

CHARLES APPIAH
PRIMARY EXAMINER

CA December 01 2003